

FIG.
1

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Mass spectrum A displays a single prominent peak at m/z 19560, which is labeled at the top. The y-axis represents relative intensity, with a scale from 0 to 100. The x-axis represents the mass-to-charge ratio (m/z), with major tick marks at 19000, 19500, 20000, 20500, and 21000. The peak at 19560 is very sharp and reaches a relative intensity of approximately 100. There is a small shoulder on the right side of the main peak, and the baseline is relatively flat across the rest of the mass range shown.

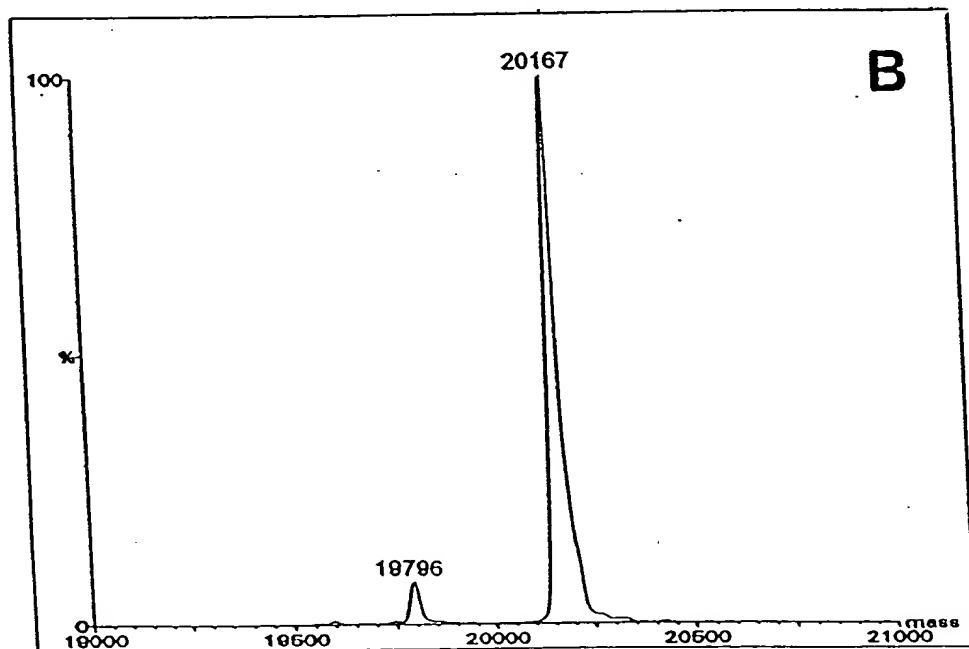


FIG. 2

000260 0905/650

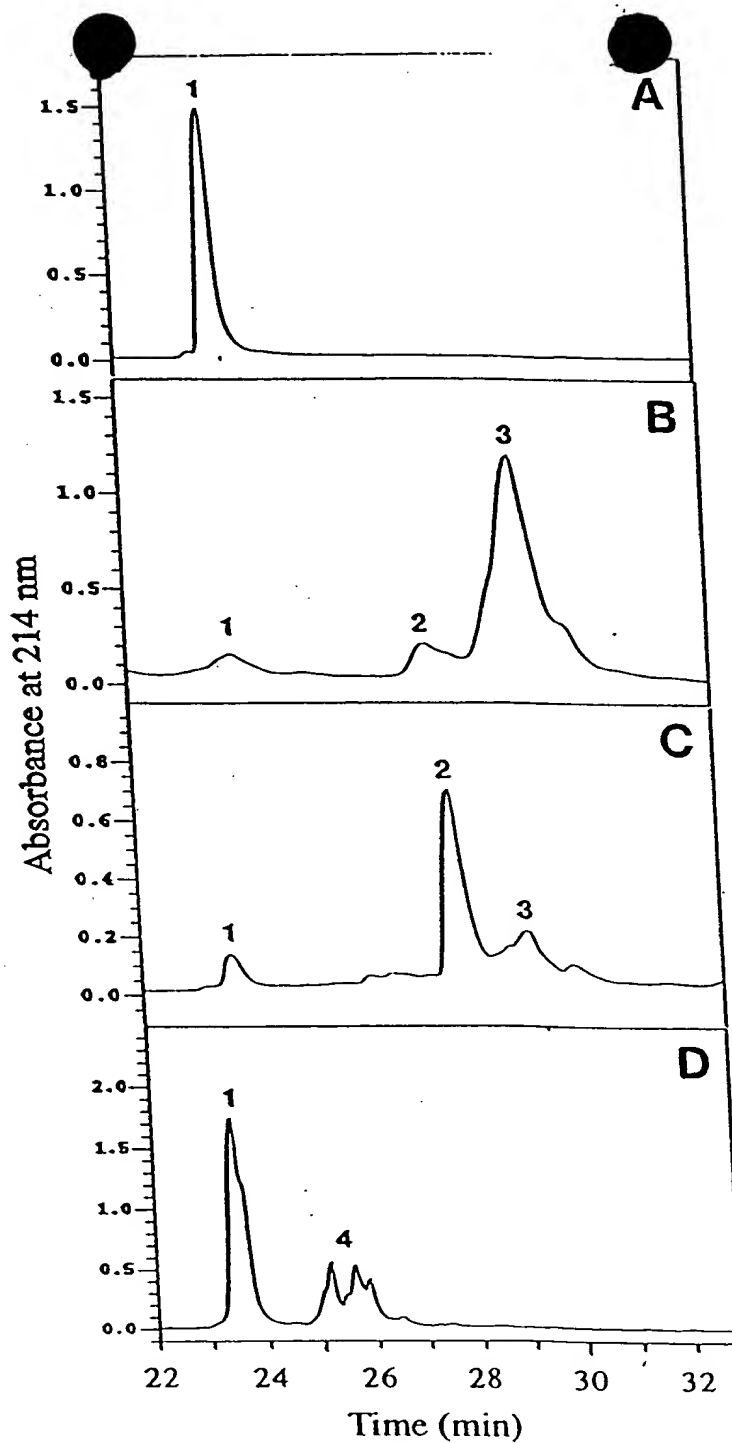


FIG. 3

000250"09967660

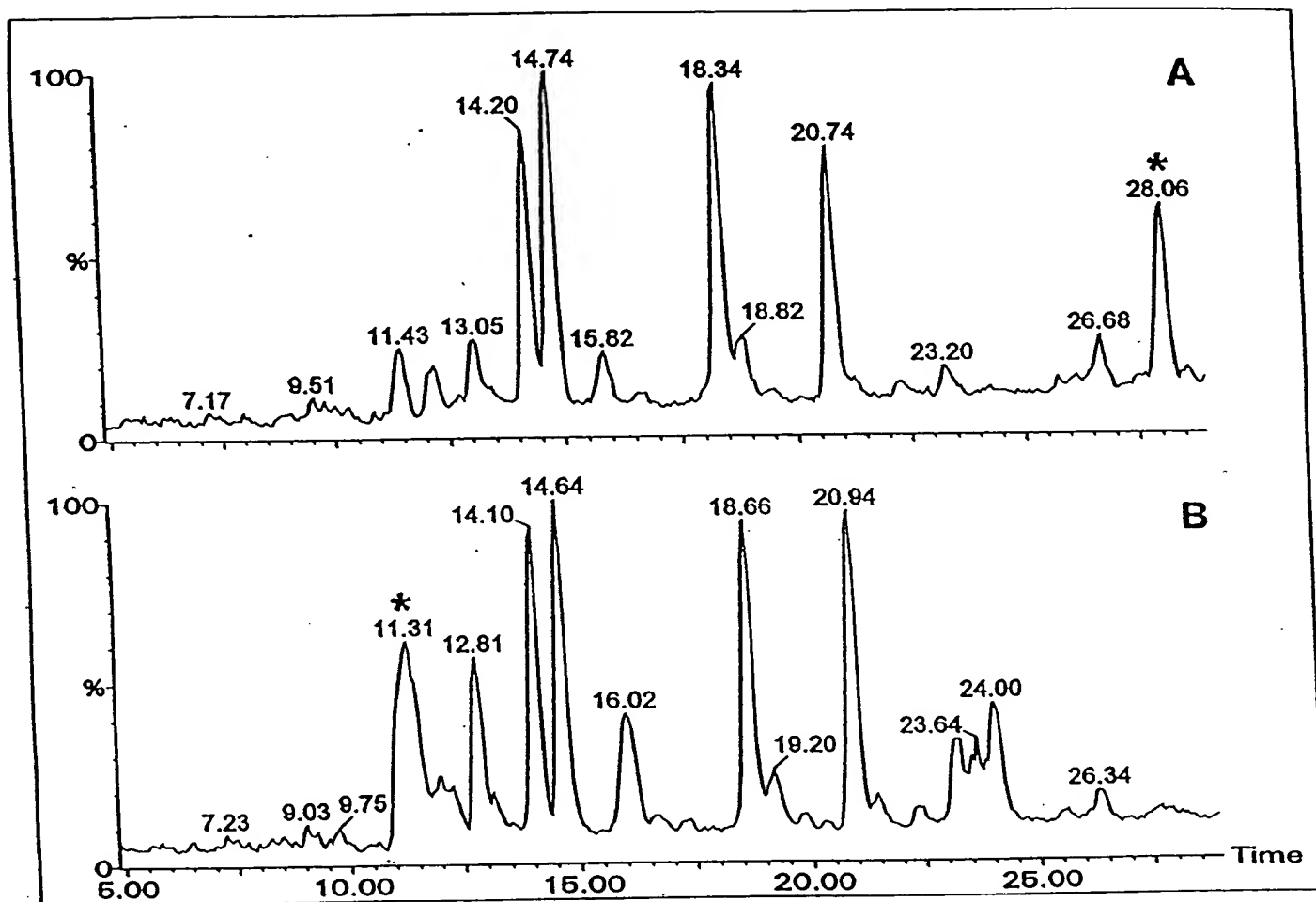


FIG. 4



009250"09957550

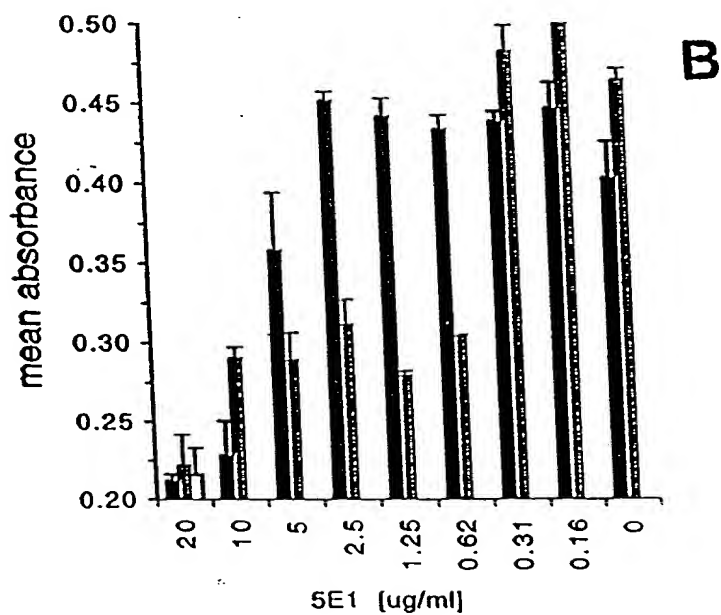
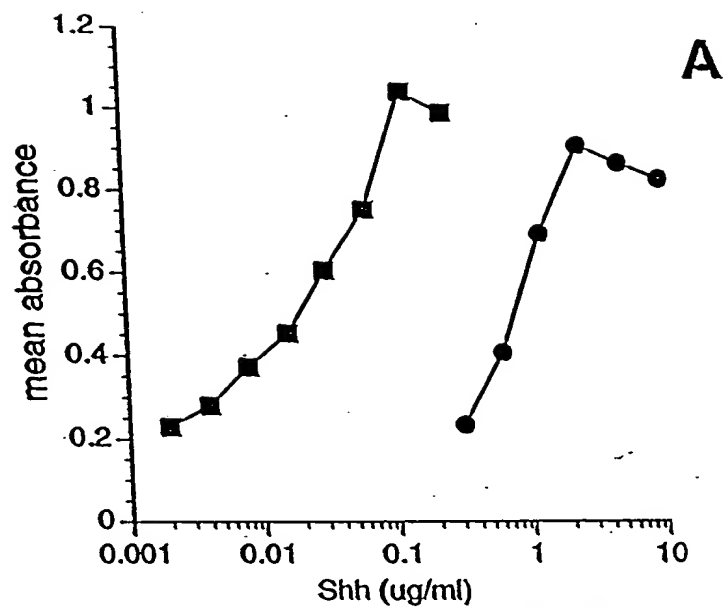









FIG. 6

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Competitor added (ng/ml)	% Binding (Circles)	% Binding (Squares)
0.1	100	100
1	100	100
10	90	100
20	88	85
40	78	82
60	43	80
100	53	78
200	35	52
400	18	38
600	8	18
1000	5	10
10000	0	0

FIG-7

1
CGPGR_{x1 x2 x3 x4 x5}        40
L_{x11}YKQF_{x12}P_{x13}V_{x14}EKTLGASGR

80
x15EGK_{x16 x17}R_{x18}SE RFK_{x19}L_{x20}PNYN PDIIFKDEEN x21GADRLMT_{x22}R

1
CK_{x23 x24x25}NSLAI x26VMN_{x27}WPGVK LRVTEGWDED GHH_{x28 x29 x30}SLH

16
EGRAVDITTS DRDR_{x31}KYG_{x32}L ARLAVEAGFD WVYYES_{x33 x34}H_{x35}

176
H_{x36}SVK_{x37 x38 x39}S_{x40}AA_{x41 x42}GG

Where:

- X1 is either V or G;
X2 is either V, F or P;
X3 is either G or V;
X4 is either S or G;
X5 is either R or K;
X6 is either P, H or Y;
X7 is either P or A;
X8 is either R or K;
X9 is any amino acid;
X10 is either V or T;
X11 is either A or L;
X12 is either S, I or V;
X13 is either N or G;
X14 is either P or A;
X15 is either Y or A;
X16 is either I or V;
X17 is either A or S;
X18 is either S, N or G;
X19 is either E or D;
X20 is either T or V;
X21 is either T or S;
X22 is either Q or E;
X23 is either D or E;
X24 is either R or K;
X25 is either L or V;
X26 is either S or A;
X27 is either Q or M;
X28 is either S or A;
X29 is either E or Q;
X30 is either E or D;
X31 is either N or S;
X32 is either L or M;
X33 is either K or R;
X34 is either A or N;
X35 is either V or I;
X36 is either C or V;
X37 is either S or A;
X38 is either E or D;
X39 is either H or N;
X40 is either A, V or L;
X41 is either K or R; and
X42 is either T, S or A.

Induction of alkaline phosphatase in 10T1/2 cells by acyl-hedgehog. Effect of acyl chain length.

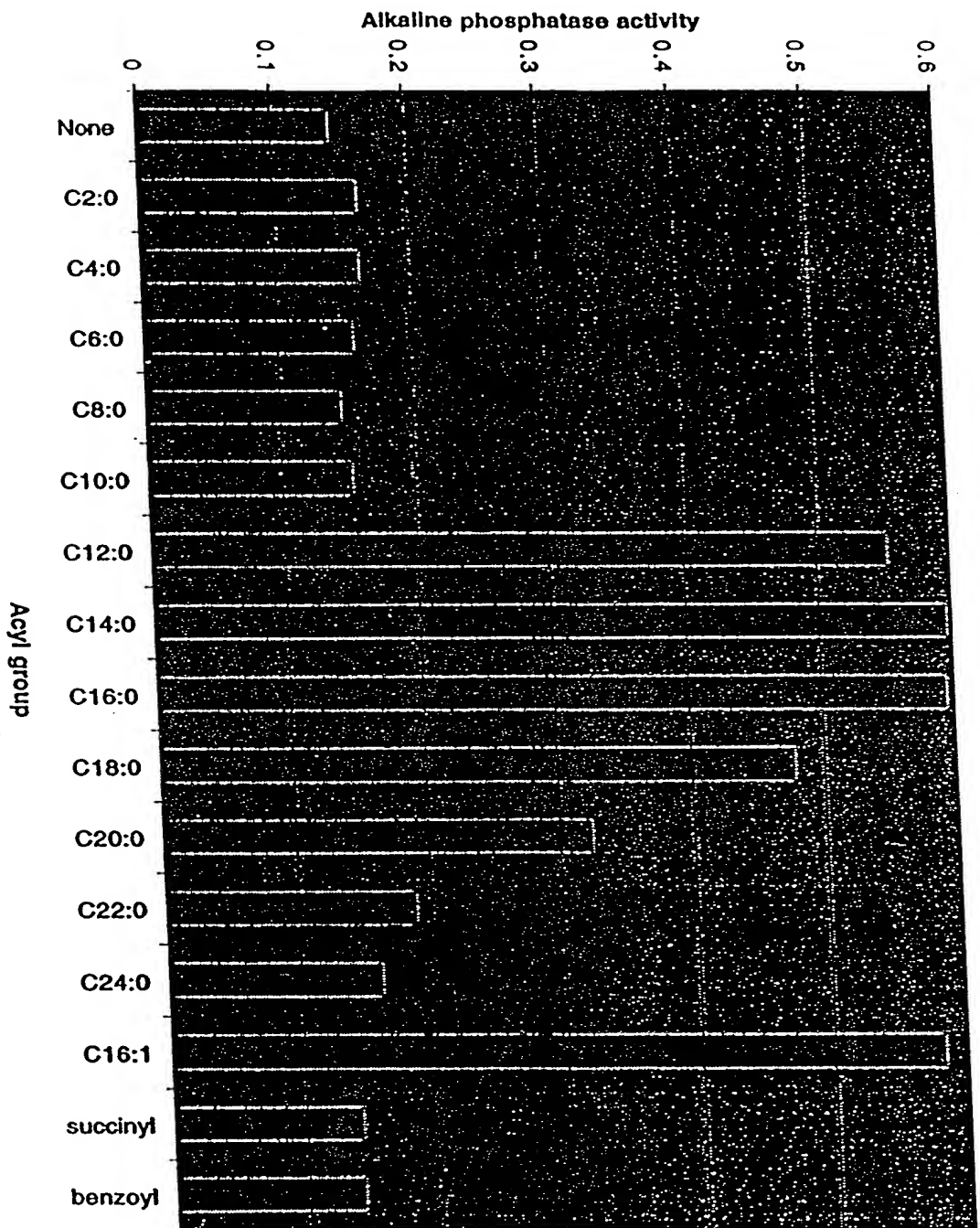
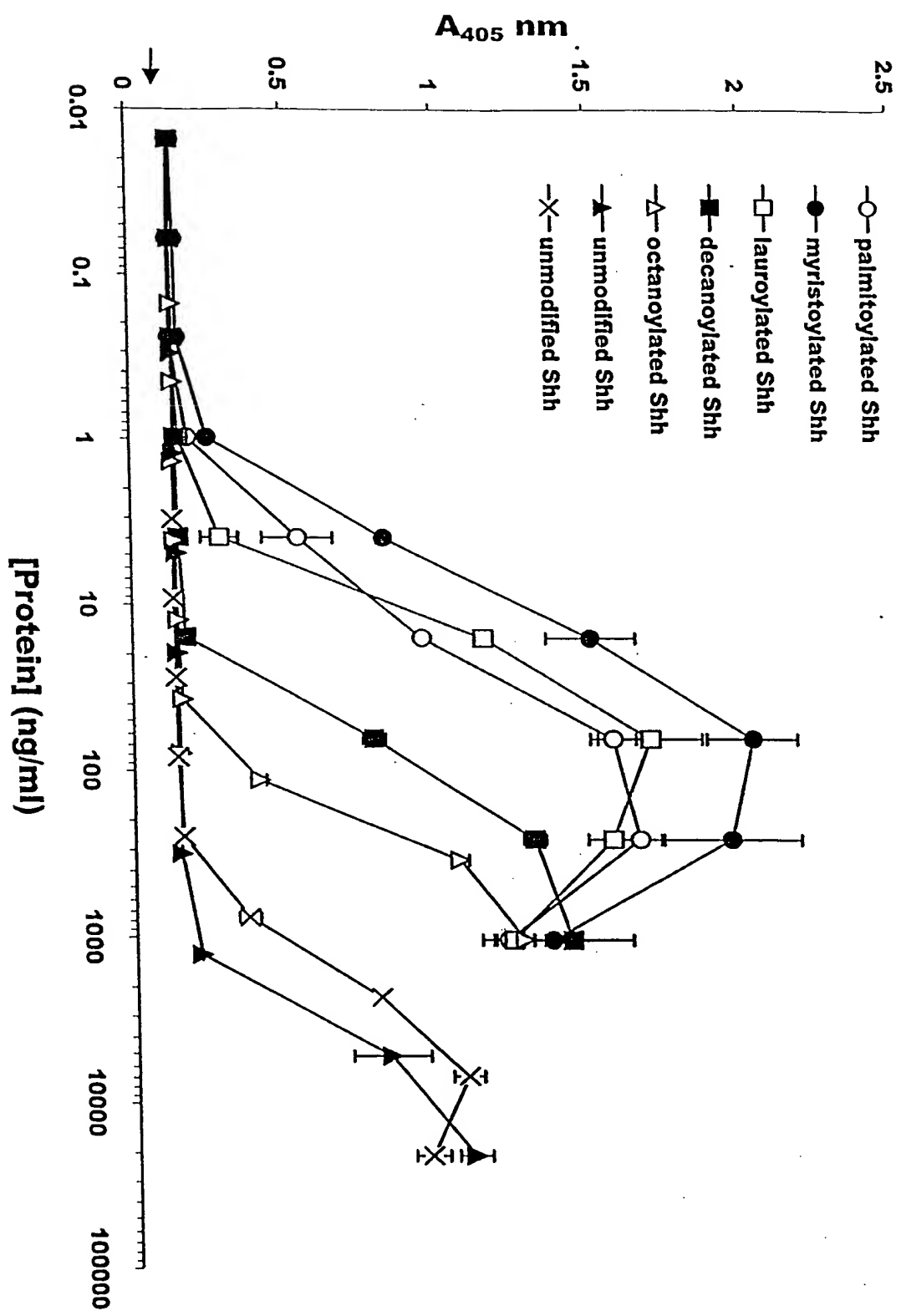


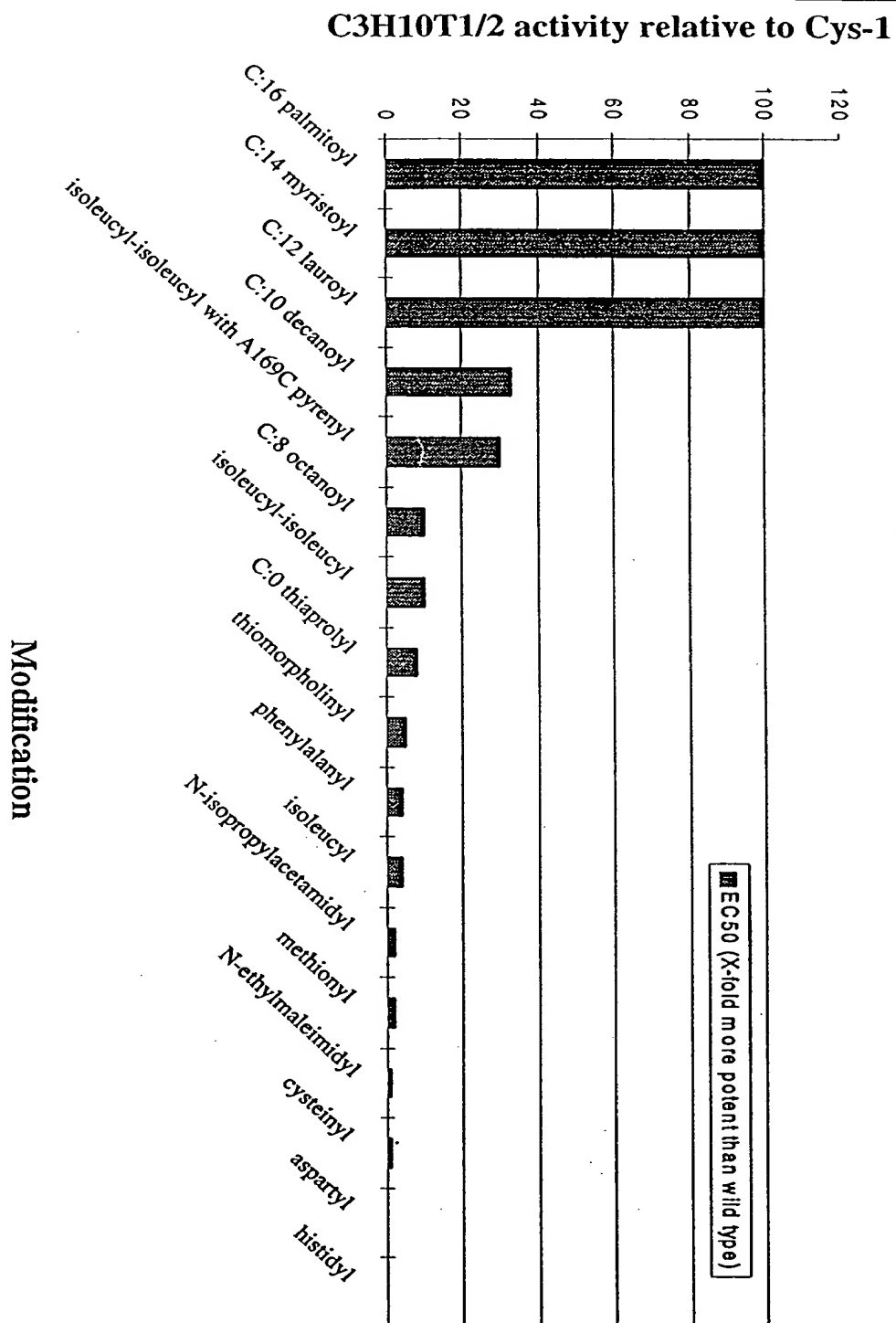
Fig-10

Figure 11



05579680 032600

Figure 13. Relative potency of various hydrophobically-modified forms of hedgehog in the C3H10T1/2 assay



Activities of maleimide modified sHh-N in 10t1/2 cells

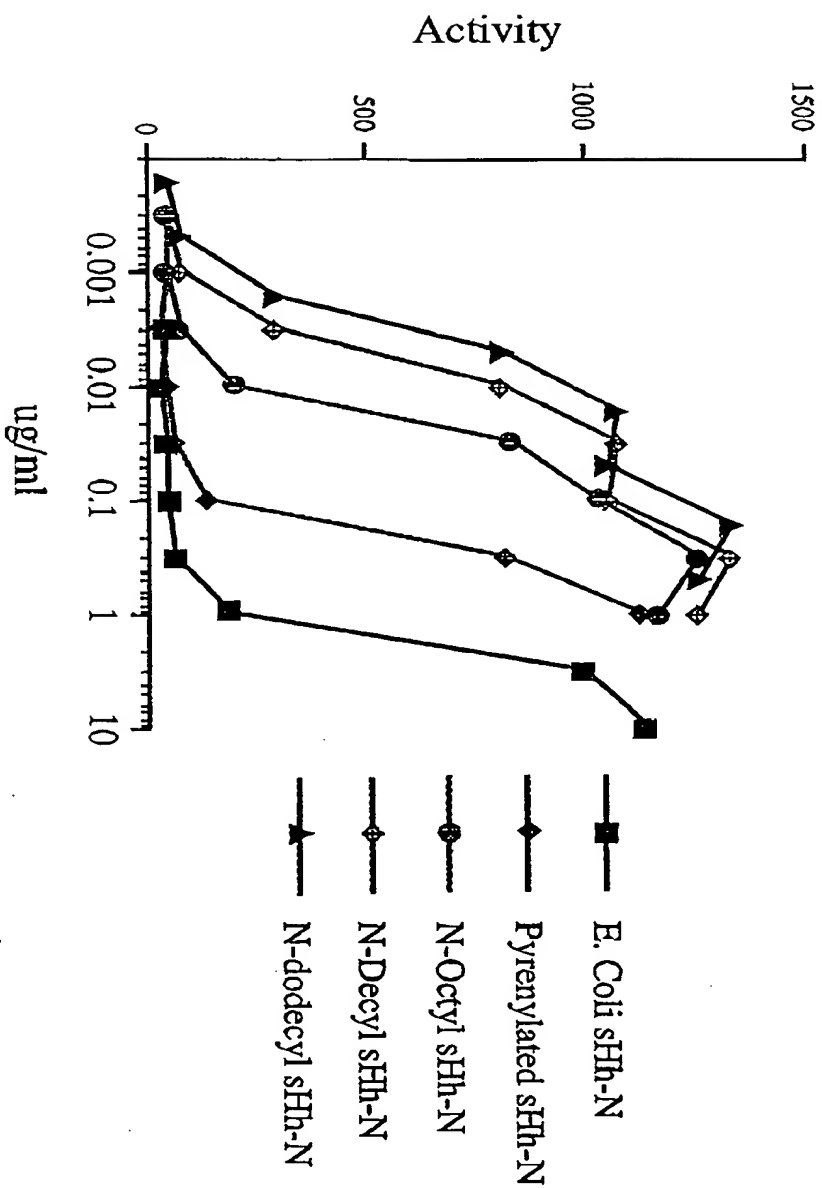


Figure 15